Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Electrical Influence Machines. By JOHN GRAY. London, Whittaker; New York, Van Nostrand. 12°. $1.75.

IN this volume Professor Gray, who is an associate of the Institute of Electrical Engineers of London, gives a very full account of the historical development and modern forms of electrical influence-machines, together with instructions for making them. The branch of electrical science covered by this treatise has been apparently somewhat neglected of late years; and for that reason alone the volume would be welcome, aside from the fact that it contains in compact form all that is really useful and interesting about influence-machines. It shows, also, that the neglect of investigators in this direction has been more apparent than real, for great progress has been made, but the greater progress made in the development and commercial utilization of dynamical electricity has made it seem that the static form had almost been forgotten. But, as the author shows, the influence-machine has an important field of its own, and, in some of its latest and most improved forms, is a simple and convenient generator of high-tension electricity, nearly as reliable as the induction-coil, and less expensive.

The work is divided into three parts. The first is devoted to a general sketch of the phenomena and leading principles of static electricity, a chapter each being given to experimental data, to a working hypothesis of the electrical field, and to electrometers. This part is sufficiently complete to serve instead of a text-book for beginners, and will enable those with little mathematical knowledge to understand the nature of electrical quantities. The second part is devoted to the historical development of the machines, and also contains descriptions of modern ones, such as Varley and Töpler's, Holtz's, Wimshurst's, Sir W. Thomson's, Maxwell's, and "addition" machines such as Bertsch's and Carré's. The third part contains all the information needed by instrument-makers and amateurs to guide them in making the influence-machines most commonly used. The book is illustrated by two hundred and twenty-eight engravings, and has a very complete index.

AMONG THE PUBLISHERS.

IT is proposed to publish the results of the research of the special students in the Department of American History at the University of Pennsylvania in a regular series of pamphlets.

— D. C. Heath & Co. will publish June 10, "A Compendious French Grammar," by A. H. Edgren, professor of modern languages in the University of Nebraska.

—The *New York Home Journal* just now is of especial interest to people who contemplate spending the summer, or part of it, in the country. It is issuing several editions of a "Summer Resort Guide," of which it has for years made a feature.

—*The Political Science Quarterly* for June opens with a defence of national sovereignty in the United States, by John A. Jameson, against the theories of the "analytical jurists;" E. I. Renick of the Treasury Department discusses the relations of the

GEMS AND PRECIOUS STONES OF NORTH AMERICA:

A popular description of their occurrence, value, history, archæology, and of the collections in which they exist; also a chapter on pearls, and on remarkable foreign gems owned in the United States. By GEORGE FREDERICK KUNZ. Illustrated with eight colored plates and numerous engravings. Price, $10.

Mr. Kunz, who is well known as an authority upon the subject of gem stones, and who is the expert for Tiffany & Co., possesses peculiar facilities for the preparation of a work of this kind.

Sent postpaid on receipt of price.

N. D. C. HODGES, 47 Lafayette Pl., N. Y.

THIRD EDITION.

THE FAULTS OF SPEECH

BY

A. MELVILLE BELL,

Author of "Visible Speech," etc., etc.

The Faults of Speech is a Self-Corrector and Teacher's Manual, for the removal of all Impediments and Defects of Articulation.

60 Cents.

*** *Sent postpaid on receipt of price,*

N. D. C. HODGES, 47 Lafayette Place,

NEW YORK.

Old and Rare Books.

Back numbers Atlantic, Century, Harper and Scribner, 10 cents per copy, other magazines equally low. Send for a catalogue.

A. S. CLARK,
Bookseller,
34 Park Row, New York City.

CATALOGUE No. 7. Americana and Natural History now ready.

S. H. CHADBOURNE, Dealer in Old Books,
57 Warren St., Roxbury, Mass.

BACK NUMBERS and complete sets of leading Magazines. *Rates low.* AM. MAG. EXCHANGE, Schoharie, N.Y.

SECOND EDITION.

NATURALISTIC PHOTOGRAPHY

FOR STUDENTS OF THE ART.

313 *pages 8vo., cloth,* $2.00, *postage prepaid*

"This book contains a greater amount of information on the artistic elements to be considered in photography than any that we know of."—*Scientific American.* Descriptive circulars on application to

E. & F. N. SPON, 12 Cortlandt St., New York.

CHEMICAL BOOKS FOR SALE.

ANALYST, London (1887-89, July and November of 1888 missing) 1.80
SUGAR CANE, Manchester (1881-83, 1885-86, also numbers of 1884, 1887, and 1888)..... 2.40
ZEITSCHRIFT Rubenzuckerindustrie Stammer (1885-86, part of 1887)..... 1.20
ZEITSCHRIFT Rubenzuckerindustrie Schublers (Vols. xiv.-xvii. inclusive), complete..... 2.40

Any of the above will be sent postpaid on receipt of price.

SCIENCE BOOK AGENCY,
47 Lafayette Place, New York.

HEAVEN AND HELL. 416 p., paper. **DIVINE LOVE AND WISDOM.** 383 p., paper. By EMANUEL SWEDENBORG. Mailed, prepaid, for 14 cents each (or 25 cents for both), by the American Swedenborg P. and P. Society, 20 Cooper Union, N.Y. City.

BOOKS 50,000 vols. of ancient and modern rare and scarce books offered for sale. Send for books tried to obtain elsewhere without success. American, British, German and French Books. Catalogues mailed free to Bookbuyers.

C. N. CASPAR, Book Emporium 437 E. W. St., Milwaukee

ANY OF

Prof. A. MELVILLE BELL'S WORKS

—ON—

Elocution — Visible Speech — Principles of Speech—Faults of Speech—Phonetics—Line Writing — World - English, etc.,

SUPPLIED BY

N. D. C. HODGES,
47 Lafayette Place, N.Y.

BOOKS: How to get them. If there is any book or pamphlet that you want, write to the Science Book Agency, 47 Lafayette Place, New York.

D. APPLETON & CO.'S
NEW BOOKS.

I.

The Art of Authorship.

LITERARY REMINISCENCES, METHODS OF WORK, AND ADVICE TO YOUNG BEGINNERS.

Personally contributed by Leading Authors of the Day.

COMPILED AND EDITED BY GEORGE BAINTON.

12mo, cloth, untrimmed edges, $1.25.

Among other contributors to this book may be mentioned

BROOKS, PHILLIPS.	HAWTHORNE, JULIAN.
BROWNING, ROBERT.	HOLMES, OLIVER W.
BRYCE, JAMES.	HOWELLS, W. D.
CABLE, GEORGE W.	LATHROP, GEORGE P.
COLLINS, WILKIE.	LOWELL, J. R.
COLLYER, ROBERT.	LYALL, EDNA.
CRAWFORD, F. MARION.	ROE, E. P.
HALE, E. E.	TWAIN, MARK.

These are merely a selection from the names of contributors; there are many others equally well known with the above who relate their experiences.

II.

VOLUME XIV INTERNATIONAL EDUCATION SERIES,

Edited by WILLIAM T. HARRIS, LL.D.

PESTALOZZI:

HIS LIFE AND WORK.

By ROGER DE GUIMPS.

Authorized translation from the second French edition, by J. RUSSELL, B. A., *Assistant Master in University College, London. With an Introduction by* Rev. R. H. QUICK, M. A.

12mo. Cloth, $1.50.

"The name of 'Pestalozzi' is forever dear to the hearts of all men. For he is the first teacher to announce convincingly the doctrine that all people should be educated—that, in fact, education is the one good gift to give to all, whether rich or poor. . ."

D. APPLETON & COMPANY,
1, 3, & 5 BOND STREET, NEW YORK.